

Abstract

A pressure sensor includes: a measuring cell having a base plate 1 and a measuring membrane 2 connected along its edge with the base plate, and
5 means 3, 4 for generating an electrical quantity dependent on deformation of the measuring membrane; a circuit 5 for registering the electrical quantity; and a capsule 10 having a capsule body 8 and a sealing element 9, with which the capsule is hermetically sealed along a joint; wherein the capsule 10 encloses the circuit 5, in order to protect such from influences
10 of moisture; and wherein the joint of the capsule is mechanically decoupled from the base plate. The mechanical decoupling of the joint means, for example, that at least the axial support of the pressure measuring cell in a housing 16 is not allowed to be transferred through the joint. Despite arranging of the capsule on the base plate, pressure-related
15 and temperature-related distortions of the base plate are not permitted to have any effects on the joint of the capsule.

(Fig. 1)